See attached form for additional information.

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 63-F-0001

CUSTOMER NUMBER: 965

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Oak Ridge National Laboratory

P.O. Box 2008

Oak, Ridge, TN 37831

Telephone: 865-574-4333

NOV 2 6 2004

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

REPORT OF ANIMALS	USEI	D BY OR UNDER (CONT	ROL OF RESEAR	CH F	ACILITY (Attach additiona	Ishe	eets if necessarv or use APHIS Form 7023A)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
A. Animals Covered By The Animal Welfare Regulations	В.	Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes.	C.	Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E.	Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for whithe use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals a the reasons such drugs were not used must be attached this report.).	F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)
4. Dogs									
5. Cats									
6. Guinea Pigs									
7. Hamsters						·			
8. Rabbits									
9. Non-human Primates		· · · · · · · · · · · · · · · · · · ·							
10. Sheep									
11. Pigs								,	
12. Other Farm Animals									
13. Other Animals									
*No Regulated Spe	cies	.			T				
ASSURANCE STATEMENT	s		-						

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual reset teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and ap Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary inc brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

HEADQUARTERS RESEARCH FACILITY OFFICIAL fficer or Legally Responsible Institutional Official)	
NAME & TITLE OF OF OD INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED

NOV 1 2 2004

See attached form for additional information.

Interagency Report Convol No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 63-R-0001

CUSTOMER NUMBER: 29

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

University Of Tennesee - Chattanooga College Of Medicine 979 East Third St. P.O. Box 339 Erlanger Medical Center Chattanooga, TN 37403

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

A. Animals Covered By The Animal Welfare Regulations	B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this report	F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)
4. Dogs	0	0	0	0	0
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	0	0	0	0
3. Rabbits	0	0	0	0	0
9. Non-human Primates	0	0	0	0	0
0. Sheep	0	0	0	0	0
1. Pigs	0	0	179	0	179
2. Other Farm Animals	0	0	0	0	0
3. Other Animals					

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual rese teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and ap Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary incident brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

4) The attending veterinarian	or this research facility has appropriate actionty to en	and the provision of adoquate votormary date and to overless the aboutable, or date appears	
	CERTIFICATION BY HE	ADQUARTERS RESEARCH FACILITY OFFICIAL	
		cer or Legally Responsible Institutional Official)	
		Three of the or of o on individual official (Toron Orth)	DATE SIGNED
		NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
			11/10/04
	ich is obsolete.)		

DCT 2 6 2004

See attached form for additional information. Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 63-R-0002

CUSTOMER NUMBER: 851

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Meharry Medical College **Animal Care Facility** 1005 D.B. Todd Boulevard **Animal Care Facility** Nashville, TN 37208

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS Form 7923A)								
B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals a the reasons such drugs were not used must be attached this report).	TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)				
	173			173				
	12			12				
	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. C. Number of animals upon which experiments, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs. D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. C. Number of animals upon which experiments, research, or surgery, or tests were conducted involving accompanying pain or distress to the animals and for which experiments, or tests were conducted involving accompanying pain or distress to the animals and for which experiments, surgery but not ye used for such purposes. D. Number of animals upon which teaching, experiments, teaching, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. E. Number of animals upon which teaching, experiments, surgery or tests were conducted involving accompanying pain or distress to the animals and for which experiments, surgery or tests were conducted involving accompanying pain or distress to the animals and for which experiments, surgery or tests were conducted involving accompanying pain or distress to the animals and for which experiments, surgery or tests were conducted involving accompanying pain or distress to the animals and for which experiments, surgery or tests were conducted involving accompanying pain or distress to the animals and for which experiments, surgery or tests were conducted involving accompanying pain or distress to the animals and for which experiments, surgery or tests were conducted involving accompanying pain or distress to the animals and for which experiments, teaching, research, surgery or tests (An experiments, surgery, or tests (An experimen				

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual re teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and ap Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary inc brief explanation of the exceptions, as well as the species and number of animals affected.

4) The attending veterinarian for this research facility has ap	propriate authority to ensure the provision of adequate veterinary care and to oversee the	e adequacy of other	aspects of animal care and use.
	RTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL Chief Executive Officer or Legally Responsible Institutional Official)		
- 3	I NAME & TITLE OF CEO, OR INSTITUTIONAL OFFICIAL 3), which is obsolete.)	/ Tuna or Brint)	DATE SIGNED

NOV 3 () 2004 See arrapted form for

additional information

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UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 63-R-0005

CUSTOMER NUMBER: 858

FORM APPROVED OMB NO 0519-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Vanderbilt University Aa-6206 Medical Center North Nashville, TN 37232

Telephone: (615) -322-2231

REPORTING FACILITY. Ust all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary

FACILITY LOCATIONS - Sites 1 - See Atached Listing

A. Animals Covered By The Animal Welfare Regulations	8. Number of animal being pred conditioned or held for use in teaching testing experiments, research, or surgery but not ye used for such purposes.	C. Number of anyma's upon which leaching research acceptance for tests were conducted involving no bain, distress, or use o pain-reliaving drugs.	D. Number of animals upon which experiments teaching research surgery of tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic analgesic or tranquilizing drugs were used.	E. Number of animals upon which reading lie comments research, surgery or tests were donducted involving accompanying pain or distress to the animals and for whithe use of acordor ate anesther distances for creangulity drugs would have adversers, affected the procedures resident retrievation of the restance or interpretation of the restance of the procedures producing path or distress in these animals and the reast such drugs were not used must be attached to this report	F. TOTAL NUMBE OF AN MAUS (COLUMNS C + D + E
∔ Dogs			413	1	414
5 Cats			14	1	14
6. Guinea Pigs			147		147
7 Hamsters		235	20		255
3 Rapoits		29	548	:	577
9 Non-human Primates		37	6		43
3 Sheep			52		52
· Pigs			138		138
2. Other Farm Animats					
13 Other Animals				i !	
Ferret		9	19	<u> </u>	28
Frog		349	234		583
Gerbil	1	ļ	193		193

- Professionally acceptable standards governing the tare treatment and use of animals, including appropriate use of anesteric, analgesic, and tranquilizing drugs idnor to iduring and following actual teaching festing surgery or experimentation were followed by this research facility
- 2. Each or holical investigator has considered alternatives to painful procedures.
- 3. This facility is adhering to the standards and regulations under the Apt, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and ac-Instructional Animal Care and Use Committee IACUC. A summary of all such exceptions is attached to this annual report, in addition to identifying the IACUC-approved expections this summary. or arieks and conof the expections, as well as the species and number of animals affected

CERTIFICATION BY	parsure the provision of agequate veterinary tare and to oversee the adequacy of other ascects. HEADQUARTERS RESEARCH FACILITY OFFICIAL Officer or Legally Responsible Institutional Official.	of an mail pare 173 use
1.17 S 30 Surere	MANIFICATION OF AN ADMINISTRATION OF THE THE THE	DATES BNEC



UNITED STATES GEPARTMENT OF AGRICULTURE BOWERS NOITDESCEN THAIL AND PLANT HEALTH INSPECTION SERVICE

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FORM 1999 (VE) CMB 40 3573-3035

2. MEADGUARTERS RESEARCH FACILITY (Maine and Audress as registered with USDA) include 2a 3ade;

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

PORT OF ANIMALS USED BY OF	NUNCER CONTROL OF	RESEARCH FACILITY	Adach adiditional sheets I re	Cassam or use this form t	
Animals Covered By The Animal Avertare Regulations 12 & CR 13 Other (Est by Species)	8 Number of animals being bred conditioned or heal for use in teaching lesting, experiments research or surgery but not yet used for such purposes.	C Number of animals upon which leading research, experiments artests were conducted inside nymo pain distress or use of paint relieving drigs.	Nimber of animulation which appariments feaching, research surgery, or tests were conducted involving accompanying pulning distress to the unimulation which upon or use anesthetic analyses are used.	E. Number of animals upon ench teaching experiments, research surgery or tests were conducted involving accompanying pain and distress to the animals and for which the use of accropring anesthesic, analysis of contaminating drugs would have adversely affected the procedures results or interpretation of the feaching research experiments, surgery or suit into accompany on the procedures producing own or district in the view animals and the procedures produced for the frugs were not used must be affected to this record.	F07-1-W2 0F-2W-MA1 (Cors C D + E)
Goat			17		1.7
Eastern Mole			5		5
Owl Monkey	1	25	20		46
Galago	24	44			99
Marmoset	12	13	8		33
Coastal Mole		8	1		9
Squirrel Monkey		. 7	1		8
Tree Shew	19		14		33
Naked Mole Rat	18	28	36		82
Elephant Shew			3		4
Squirrel			4		4
				1	

- to Professionally acceptable standards, governing the care ment and use of amends, including accruming using a spoken canades controlled to the specific analysis of the second to the specific and the specific analysis of the second to the specific and the specific analysis.
- 1). Baum milindipan revestigat vi has tives derest afternatives ha landation weddires.
- 2. This factory is abbeing to the standards and regulations aware the Authand Characters and to accept only to be appropriately to the first factor as Authandards and Care unduse Committee that Judy Additionary or all such acceptions is arrupted to how provided on the Care unduse Committee that Judy Addition of the support and the Care undused to the Care undus
- 4. The attending repending this first exempt facility has been used what a facility engines the grown in old equipment agreement of a grown in the contract of the contract of

	(Chief Executive Office	ADQUARTES RESEARCH FACILITY OFFICIAL non-Legally Responsible Institutional Official Active correct and content of \$1.50 Section 2019.	
•		NAME & TITLE OF DIED I OR INSCITUTIONAL GEFICIAL ITEM (FIRM)	QATE 3 DNED
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Column E Explanation

This form is intended as an aid to completing the Column E explanation. It is not an official form and its use is voluntary. Names, addresses, protocols, veterinary care programs, and the like, are not required as part of an explanation. A Column E explanation must be written so as to be understood by lay persons as well as scientists

1.	Registration Number:	63-R-005			
2.	Number	1	of animals (used in this study.	
3.	Species (common nam	e) <u>Canine (do</u> g	gs)_of animals us	sed in the study	
4.	Explain the procedure p	producing pain and/c	or distress.		
	In this study, infection of E. coli into the perit following clot implanta febrile. The dogs are receive volume and no involving blood collect implantation. This an hypermetabolic state.	oneal cavity of and tion, the dogs are normotensive and utritional support of ion from the conse imal model is a no	esthetized dogs. expected to bed I do not exhibit s luring the 36 hou	During the 36 hour p come transiently lethar ignificant discomfort. ur period. A terminal nducted at 36 hours a	period rgic and Dogs study fter clot
5.					thods or means used to ally mandated testing, see
	Review of scientific lit- would modify the phys been titrated to minim	siologic responses	to induced infed	ction. The dose of <u>E. </u>	<u>coli</u> has
6	What, if any, federal re- (CFR) title number and				Federal Regulations
	Agency	(OFR		N/A

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 63-R-0006

CUSTOMER NO. 852

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA,

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

include Zip Code) UNIVERSITY OF MEMPHIS LIFE SCIENCES BLDG. 101

MEMPHIS, TN 38152

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS(sites)

See Attached Listing

Life Sciences Bldg. Rms 115 & 123

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report)	F. TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs	9	27			
7. Hamsters		308	24		
8. Rabbits		10			
9. Non-Human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
Voles		315			

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH F	ACILITY	OFFICIAL
(Chief Evecutive Officer or Legally Desponsible Inc	etitutional	official)

that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

PART 1 - HEADQUARTERS

(Oct 88), which is obsolete

(AUG 91)

NOV 1 7 2004 See attached form for

additional information.

on Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 63-R-0007

> CUSTOMER NUMBER: 845

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

St. Jude Childrens Research Hospital **Animal Resources Center** 332 N. Lauderdale Memphis, TN 38105

Telephone: (901) -495-3385

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS Form 7023A)

FACILITY LOCATIONS (Sites) - See Atached Listing

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes.	research, experiments, or tests were conducted	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drups were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for withe use of appropriate anesthetic, analgesic, or tranquilitidrugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals at the reasons such drugs were not used must be attached this report).	OF ANIMALS (COLUMNS C+D+F)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters		19			
8. Rabbits			3		3
9. Non-human Primates			42		42
10. Sheep					
11. Pigs			26		26
12. Other Farm Animals					20
13. Other Animals	·				
F errets	62		18	120	138
Cotton Rats	20	10			10
ASSURANCE STATEMENTS					
2) Each principal investig 3) This facility is adhering institutional Animal Ca brief explanation of the 4) The attending veterina	ato ed alter to and reg res rittee (IA ex ell as the	natives to painful procedures ulations under the Act, and it (CUC). A summary of all su e species and number of ani- tity has appropriate authority CERTIFICATION B	recenty. I has required that exceptions to the stack the stack of the stack and the s		ipal investigator and apotions, this summary inc
SIGNATURE 0 APHIS FORM 7		; obsolete		R INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED



Addendum to the 2004 USDA Annual Report of the Research Facility

Active Projects during the Reporting Interval with Animal Care and Use Committee Approved Exceptions to the Regulations or Standards of the Animal Welfare Act

One protocol utilizes nonhuman primates in which the experimental design involves the selection of individual animals as bone marrow transplant recipients. Transplant recipients are expected to wear a jacket and to be attached to a tether to support the long term implantation of an intravenous catheter for supportive therapy. The investigator has received approval for this protocol by the Institutional Animal Care and Use Committee. Currently, seven nonhuman primates have been acclimated to the jacket system. The animals are acclimated to the jacket for seven days. Animals that successfully acclimate to the jacket undergo acclimatization to the tether for seven days. The purpose of the jacket is to protect an implanted catheter exit site and port lumens which are external to the animal in the back, and to provide a stable platform for the tether. The tether will contain the intravenous line tubing and is attached to the jacket, serving to protect the IV lines. The animal is evaluated daily as to how well he or she is acclimating to the jacket and tether.

During the acclimation period to the jacket and tether and following irradiation, animals are housed according to Housing Option 2 (HO-2) conditions, approved by the Institutional Animal Care and Use Committee. Animals are housed singly in laminar flow units in the "ICU" room to ensure a clean environment at a time when they are very susceptible to infections. The animals are able to see and interact with each other in an adjacent cage due to a special divider between the two cages. This divider between the cages is a panel with a combination of 1' square grid and solid panel. Both animals are able to hide or remove themselves from direct sight of the adjacent animal if they so desire. Animals are afforded enrichment according to the facility's Environmental Enrichment Plan. Additional enrichment is provided by the principal investigator and his staff. Four animals have undergone irradiation, one animal has undergone myelosuppression via a chemotherapeutic drug and one animal will undergo either irradiation or chemotherapeutic myelosuppression at a future date. One animal was acclimated to the jacket but is now being utilized as a blood donor for animals undergoing irradiation or chemical myelosuppression. Currently four animals are wearing jackets and none are tethered.

The period of time that the animals are tethered following irradiation is up to thirty days depending upon each individual animal's recovery response. If it is determined that the animal will require tethering for longer than thirty days, the Attending Veterinarian, in consultation with the principal investigator reviews the case. The Attending Veterinarian determines if any exemptions to enrichment or housing conditions is warranted based on the animal's clinical presentation. Exemptions are to be made following approval from the Institutional Animal Care and Use Committee.

Addendum to the 2004 USDA Annual Report: Explanation of the Procedures in Category E

Our institution is a collaborative center of the World Health Organization Laboratory (WHO) for influenza vaccine research and discovery. One protocol utilizes ferrets for which the experimental design involves studies to determine the pathogenicity of highly pathogenic influenza A viruses of the H5 and H7 subtypes. The clinical signs of disease range from pneumonia to central nervous system deficits that can be fatal for some animals on study. Analgesics are not utilized to alleviate pain or distress in these animals because of the potential to ameliorate the effects of the virus resulting in the inability to establish the pathogenic index which is essential for implementing policies regarding the eradication of influenza viruses with disease potential in animals and humans.

Ref:

Highly pathogenic avian influenza (fowl plague): Manual of standards for diagnostics tests and vaccines. Office International des Epizooties, Paris, France. pp123-129. 1992.

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 21:

See attached form for additional information.

853

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 63-R-0011

CUSTOMER NUMBER:

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

East Tennessee State University P.O. Box 70418 Johnson City, TN 37614

NOV 2 6 2004

Telephone: (423) -439-6292

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS Form 7023A)							
A. Animals Covered By The Animal Welfare Regulations	B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this report	F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)		
4. Dogs	8		29		29		
5. Cats	0				0		
6. Guinea Pigs	7		193		193		
7. Hamsters	0		20		20		
8. Rabbits	3		110		110		
9. Non-human Primates	0				0		
10. Sheep	0				0		
11. Pigs	4		32		32		
12. Other Farm Animals	0				0		
13. Other Animals							

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual rese teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and ap Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary incident brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)		
	· ()	DATE SIGNED

See attached form for additional information. Interagency Report Control Not

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 63-R-0014

CUSTOMER NUMBER: 846

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Columbia State Community College Po Box 1315

Columbia, TN 38402

OCT 2 0 2004

Telephone: (931) -540-2743

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

A. Animals Covered By The Animal Welfare Regulations	B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this report	F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)
4. Dogs	0	0	17	0	17
5. Cats	0	0	10	0	10
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
I0. Sheep					
11. Pigs					
2. Other Farm Animals					
Horses	0	0	4	0	4
13. Other Animals					
Goats	0	10	0	0	10
Calves	0	8	0	0	8

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual rese teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and ap Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary inc brief explanation of the exceptions, as well as the species and number of animals affected.

4) The attending veterinarian for this research facility has appropriate authority to	ensure the provision of adequate veterinary care and to oversee the adequacy of other aspect	s or animar care and use.
==,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	HEADQUARTERS RESEARCH FACILITY OFFICIAL Officer or Legally Responsible Institutional Official)	
	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED 10/15/04

DCT 2 9 2004 See attached form for additional information.

Interagency Report Coptrol

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 21!

> UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 63-R-0017 CUSTOMER NUMBER:

8212

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Rhodes College 2000 N. Parkway Memphis, TN 38112

Telephone: (901) -843-3795

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

REPORT OF ANIMALS	USEL	D BY OR UNDER (CONI	ROL OF RESEAR	CH F	ACILITY (Attach additiona	al si	heets if necessary or use APHIS Form 7023A)	
A. Animais Covered By The Animai Welfare Regulations	В.	Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not ye used for such purposes.	C.	Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs.	D.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E	Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals a the reasons such drugs were not used must be attached this report).	F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)
4. Bogs									
5. Cats									
6. Guinea Pigs	Π						Γ		
7. Hamsters			Γ				T		
8. Rabbits	Γ								
9. Non-human Primates			Γ				T		
10. Sheep									
11. Pigs				······································					
12. Other Farm Animals							Ī		
							Γ		
13. Other Animals							Γ		
		<u> </u>						N.	
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ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual rese teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and ap Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary inc brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFIC	IAL
(Chief Executive Officer or Legally Responsible Institutional Official)	

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) 1. J. A. ACCO DATE SIGNED

See attached form for additional information.

Interagency Report Control No.

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER:

63-R-0019

CUSTOMER NUMBER: 847

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Lincoln Memorial University Cumberland Gap Pkwy Harrogate, TN 37752

Telephone: (423) -869-3611

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing
Phillips Veterinary Technology Center (South part of Campus)

A. Animals Covered By The Animal Welfare Regulations	B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reask such drugs were not used must be attached to this report.)	F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)
4. Dogs	0	16	10	0	26
5. Cats	0	0	2	0	2
6. Guinea Pigs	0	/	0	0	
7. Hamsters	0	0	0	0	0
8. Rabbits	. 0	/	0	0	/
9. Non-human Primates	0	0	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	0	0	0
13. Other Animals					

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual reset teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and ap Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary incidence brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

	CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)	
SIGN	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	11-05-0

Interagency Report Control No.:

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 21!

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 63-R-0102

CUSTOMER NUMBER: 877

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Medical Training Center 2222 State St. Suite A Nashville, TN 37203

Telephone: (615) -321-3500

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

REPORT OF ANIMALS	USED BY OR UNDER	CONTROL OF RESEAR	CH FACILITY (Attach additiona	al sheets if necessarv or use APHIS Form 7023A)	
A. Animals Covered By The Animal Weifare Regulations	B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this report	F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)
4. Dogs			18		18
5. Cats			·		
6. Guinea Pigs					
7. (lamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs			36		36
12. Other Farm Animals					
13. Other Animals					
		<u> </u>			

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual reseteaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and ap Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary incident brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

	FICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL ef Executive Officer or Legally Responsible Institutional Official)	
SIGNATURE OF CEO OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED 11/24/04

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

See attached form for additional information.

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. CERTIFICATE NUMBER: 63-R-0105

FORM APPROVED OMB NO. 0579-0036

CUSTOMER NUMBER:

843

University Of Tennessee At Knovvilla

DEC 022004

709A Andy Holt Tower Knoxville, TN 37996 - 0174

(865) 974-4048

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

A. Animals Covered By The Animal Welfare Regulations	B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for whithe use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, resor interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this report	F. TOTAL NUMBEI OF ANIMALS (COLUMNS C + D + E)
4. Dogs	105	20	567		587
5. Cats	11		203		203
6. Guinea Pigs	8		6		6
7. Hamsters	50	13	20		33
8. Rabbits	9	1	20		21
9. Non-human Primates					0
10. Sheep		1			11
11. Pigs					0
12. Other Farm Animals					
Horses		65			65
Cattle		58			58
Goats	10				0

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual rese teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and ap Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary inc brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

_		ON BY HEADQUARTERS RESEARCH FACILITY OFFICIAL utive Officer or Legally Responsible Institutional Official)	
٤	AL	INAME . TITLE OF CEO OD INSTITUTIONAL OFFICIAL (Time of Print)	DATE SIGNED
	3 (OCT 88), which is o	bsolete.)	11-24-6

See reverse side for additional information.

Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

63-R-0105

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

FORM APPROVED OMB NO. 0579-0036

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

include Zip Code)
University of Tennessee
at Knoxville

709A Andy Holt Tower
Knoxville TN 37996-0174

REPORT OF ANIMALS USED BY OR	UNDER CONTROL OF	RESEARCH FACILITY	(Attach adiditional sheets if nec	cessary or use this form.)	
A. Animals Covered By The Animal Welfare Regulations 12. &/OH 13. Other (Ust by species)	B. Number of animals being bred, conditioned, or held for use in teaching, festing, experiments, research, or surgery but not yet used ior such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-refleving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS (Cols. C + D + E)
13. Other Animals	\$		Maria a.		
Squirrels	81		17		. 17
Chipmunk	22		17		17
Allegheny Woodrat			9		9
Shrew			13		13
White Footed Mouse			181		181
Mouse Hispid Cotton Rat			1		1
Pine Vole		· ·	5		5
Lemming			1		1
White Tail Deer	5				0
Opossums			10		10
Striped Skunks			3		3
Raccoons			3		3
Eastern Cottonta	11		1		1
Black Bear			87		87
Elk			11		11

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including apprortate use of aniesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations usder the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the listitutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U S C Section 2143)				
AL	NAME @ TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Print)	DATE SIGNED		
		11-24-0		

SITE 001 University of Tennessee – Knoxville Office of Laboratory Animal Care Knoxville, TN 37996-4503

Locations under Site 001:

Office of Laboratory Animal Care Cherokee Bldg A Knoxville, TN 37996

Office of Laboratory Animal Care Veterinary Teaching Hospital Knoxville, TN 37996

Office of Laboratory Animal Care Joseph E. Johnson Animal Research Farm and Teaching Unit Knoxville, TN 37996

Department of Large Animal Clinical Sciences Cherokee Research Farm Knoxville, TN 37996

Department of Large Animal Clinical Sciences Veterinary Teaching Hospital Knoxville, TN 37996

Department of Small Animal Clinical Sciences Veterinary Teaching Hospital Knoxville, TN 37996

Department of Small Animal Clinical Sciences Joseph E. Johnson Animal Research and Teaching Unit Knoxville, TN 37996

College of Arts and Sciences M106 Walters Life Sciences Knoxville, TN 37996

University of Tennessee Knoxville Medical Center 1924 Alcoa Highway Knoxville, TN 37920-6999 (effective 8/11/03) MDV 2 3 2004

See attached form for additional information.

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 63-R-0107

CUSTOMER NUMBER: 84

841

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

University Of Tennessee - Memphis 956 Court Street

Box 17

Memphis, TN 38163

Telephone: (901) -448-5500

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

A. Animals Covered By The Animal Welfare Regulations	B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this report	TOTAL NUMBEI OF ANIMALS (COLUMNS C + D + E)
4. Dogs		11:	6	0	17
5. Cats					
6. Guinea Pigs		299	7	0	306
7. Hamsters		157	0	0	157
8. Rabbits		174	7	0	181
9. Non-human Primates		11	12	0	23
10. Sheep					
11. Pigs		751	44		795
12. Other Farm Animals					
Goat		3	0	0	3
13. Other Animals					

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual rese teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and ap Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary incident brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

INAME & TITLE OF CEO OR INSTITUTIONAL OFFICIAL / Time or Print)

DATE SIGNED

11/22/04

SI

Facility Locations
Certificate Number: 63-R-0107
Customer Number: 841

Coleman Building

Molecular Sciences Building

Wittenborg Anatomy Building

Nash Building Annex

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

DCT 1 8 2004 ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. CERTIFICATE NUMBER: 63-R-0113

CUSTOMER NUMBER: 1009

FORM APPROVED OMB NO. 0579-003

Medical Education & Research Institute 44 S. Cleveland Memphis, TN 38104

Telephone: (901) -722-8001

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

REPORT OF ANIMALS	USED BY OR UNDE	R CONTROL OF RESEAF	RCH FACILITY (Attach addition	al sheets if necessarv or use APHIS Form 7023A)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of anima being bred, conditioned, or held for use in teaching, testing experiments, research, or surgery but not y used for such purposes.	animals upon which teaching, research, experiments, or tests were conducted	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this report	F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)
4. Dogs	0	0	0	0	0
5. Cats	0	0	0	0	8
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	0	0	0	0
8. Rabbits	0		0	0	0
9. Non-human Primates	0	0	0	0	ට
10. Sheep	0	0	Ø	0	0
11. Pigs	0	0	119	0	119
12. Other Farm Animals	0	0	0	0	0
	0	0	0		0
13. Other Animals	0	0	0	O	0
	0	0	Ø	0	0
	0	0	O	0	0
	0	0	0	0	0
ACCUDANCE CTATEMENT	_				

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual rese teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and ap Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary inc brief explanation of the exceptions, as well as the species and number of animals affected.
- reterioration for this songorph facility be oriete authority to

4) The attending veterinarian for this research facility has appropriate ac	thority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects	of animal care and use.
	TON BY HEADQUARTERS RESEARCH FACILITY OFFICIAL ecutive Officer or Legally Responsible Institutional Official)	
SIGNATURE OF CIFIC OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF CEO. OR INSTITUTIONAL OFFICIAL. / Tune or Print)	DATE SIGNED
		10-11-04

(AUG 91)

tional information.

Interagency Report Con

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 63-R-0114

CUSTOMER NUMBER: 999

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

University Of The South 735 University Ave. Sewanee, TN 37383

Telephone: (931) -598-1447

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

T. Albert REPORT OF ANIMALS	TIATHER WOODS Laboratory - BIOLOGY DEPT + PSYCHOLOGY DEPT REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS Form 7023A)					
A. Animals Covered . By The Animal Welfare Regulations	B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes.	C. Number of animals upon which teaching, resparch, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pein or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for whither use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, resor interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this report	F. TOTAL NUMBER OF ANIMALS (COLUMNS	
4. Dogs						
5. Cats						
6. Guinea Pigs						
7. Hamsters						
8. Rabbits		3			.3	
9. Non-human Primates						
10. Sheep						
11. Pigs						
12. Other Farm Animals						
13. Other Animals						
Gerbils		9			9	
ACCUIDANCE STATEMENTS	,					

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual reset teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.

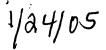
CICNATURE OF C F O OR INSTITUTIONAL OFFICIAL

- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and ap Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary inc brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

DATE SIGNED

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)



NOV 2 4 2004 See attached form for additional information.

Interagency Report Cont

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 63-R-0115

CUSTOMER NUMBER: 7457

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

Nashville Zoo 3777 Nolensville Road Nashville, TN 37211

Telephone: (615) -833-1534

FACILITY LOCATIONS (Sites) - See Atached Listing

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS Form 7023A)						
A. Animals Covered By The Animal Welfare Regulations	B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or franquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this report	F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)	
4. Dogs	0	0	0	0	0	
5. Cats	0	0	8	0	0	
6. Guinea Pigs	0	0	0	0	0	
7. Hamsters	0	0	0	0	0	
8. Rabbits	0	0	0	0	0	
9. Non-human Primates	0	0	0	0	0	
10. Sheep	0	0	0	0	0	
11. Pigs	0	0	0	0	0	
12. Other Farm Animals	0	0	0	0	0	
13. Other Animals						
otters	0	3	0	0	3	
elephants	0	3	0	0	3	
anteaters	0	7	0	0	7	

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual reset teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
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	TION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL ecutive Officer or Legally Responsible Institutional Official)	
FICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED 11/23/

NOV 2 4 2001

See attached form for additional information.

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 63-R-0116

CUSTOMER NUMBER: 17184

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Neotech, Llc. 10061 Hwy 22 Dresden, TN 38225

Telephone: (731) -364-5856

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

REPORT OF ANIMALS	USED BY OR UNDER	CONTROL OF RESEAR	CH FACILITY (Attach additiona	al sheets if necessarv or use APHIS Form 7023A)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this report	F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)
4. Dogs		16			16
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
:					

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual rese teaching, testing, surgery, or experimentation were followed by this research facility.
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		ADQUARTERS RESEARCH FACILITY OFFICIAL r or Legally Responsible Institutional Official)	
SIGNATURE OF C.		NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
	-		11-22-6
APHIS FORM 7023	obsolete.)		•
(AUG 91)			

Annual Report of Research Facility NEOTECH, LLC Certificate Number: 63-R-0116

Customer Number: 17184

3. Reporting Facility

Building Number 3 9840 Highway 22 Dresden, TN 38225